

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in this application:

Claim 1 (original): A flame retardant injection molded article that is a flame retardant injection molded article formed from a resin composition comprising a lactic acid resin (A) and a metal hydroxide (B) whose surface has been treated with a silane coupling agent, the proportion in said resin composition occupied by the component (B) being 15% to 40% in mass, the Izod impact strength being not less than 5 kJ/m² according to JIS K 7110, and the deflection temperature under load being not less than 50°C according to JIS K 7191, and the flame retardant rating being V-2 and above according to UL94 vertical firing test.

Claim 2 (previously presented): The flame retardant injection molded article as recited in claim 1, which is a flame retardant injection molded article formed from a resin composition further comprising a copolymer (C) of lactic acid resin and diol/dicarboxylic acid, the proportion in the resin composition occupied by the component (C) being 10% to 40% in mass.

Claim 3 (currently amended): The flame retardant injection molded article as recited in claim 1, which is a flame retardant injection molded article formed from a resin composition further comprising a resin (D) containing either an ~~aromatic-aliphatic~~ aromatic-aliphatic polyester or both of the ~~[[an]]~~ ~~aromatic-aliphatic~~ aromatic-aliphatic polyester and an aliphatic polyester other than lactic acid, and an ester compound (E) of molecular weight in the range of 200 to 2,000, the proportion in the resin composition occupied by the component (D) being 5% to 25% in mass, and the proportion in the resin composition occupied by the component (E) being 0.1% to 5% in mass.

Claim 4 (previously presented): The flame retardant injection molded article as recited in claim 1, wherein the metal hydroxide of component (B) is aluminum hydroxide.

Claim 5 (previously presented): The flame retardant injection molded article as recited in claim 1, wherein the average particle size of the metal hydroxide of component (B) is between 0.1 μm and 5 μm .

Claim 6 (previously presented): The flame retardant injection molded article as recited in claim 1, wherein the silane coupling agent of component (B) is an epoxy silane coupling agent.

Claim 7 (previously presented): The flame retardant injection molded article as recited in claim 1, which is a flame retardant injection molded article formed from a resin composition further comprising a resin (D) containing an aliphatic polyester other than lactic acid resin, and an ester compound (E) of molecular weight in the range of 200 to 2,000,

the proportion in the resin composition occupied by the component (D) being 5% to 25% in mass, and the proportion in the resin composition occupied by the component (E) being 0.1% to 5% in mass.

Claim 8 (previously presented): The flame retardant injection molded article as recited in claim 1, wherein the metal hydroxide of component (B) is aluminum hydroxide and the average particle size is between 0.1 μm and 5 μm .

Claim 9 (previously presented): The flame retardant injection molded article as recited in claim 2, wherein the metal hydroxide of component (B) is aluminum hydroxide.

Claim 10 (previously presented): The flame retardant injection molded article as recited in claim 2, wherein the average particle size of the metal hydroxide of component (B) is between 0.1 μm and 5 μm .

Claim 11 (previously presented): The flame retardant injection molded article as recited in claim 2, wherein the metal hydroxide of component (B) is aluminum hydroxide and the average particle size is between 0.1 μm and 5 μm .

Claim 12 (previously presented): The flame retardant injection molded article as recited in claim 2, wherein the silane coupling agent of component (B) is an epoxy silane coupling agent.

Claim 13 (previously presented): The flame retardant injection molded article as recited in claim 3, wherein the metal hydroxide of component (B) is aluminum hydroxide.

Claim 14 (previously presented): The flame retardant injection molded article as recited in claim 3, wherein the average particle size of the metal hydroxide component (B) is between 0.1 μm and 5 μm .

Claim 15 (previously presented): The flame retardant injection molded article as recited in claim 3, wherein the metal hydroxide component (B) is aluminum hydroxide and the average particle size is between 0.1 μm and 5 μm .

Claim 16 (previously presented): The flame retardant injection molded article as recited in claim 3, wherein the silane coupling agent of component (B) is an epoxy silane coupling agent.

Claim 17 (new): The flame retardant injection molded article as recited in claim 2, which is a flame retardant injection molded article formed from a resin composition further consists essentially of a resin (D) containing an aromatic-aliphatic polyester, and an ester compound (E) of molecular weight in the range of 200 to 2,000,

the proportion in the resin composition occupied by the component (D) being 5% to 25% in mass, and the proportion in the resin composition occupied by the component (E) being 0.1% to 3% in mass.

Claim 18 (new): A flame retardant injection molded article that is a flame retardant injection molded article formed from a resin composition consisting essentially of a lactic acid resin (A) and a metal hydroxide (B) whose surface has been treated with a silane coupling agent, the proportion in said resin composition occupied by the component (B) being 15% to 40% in mass, the Izod impact strength being not less than 5 kJ/m² according to JIS K 7110, and the deflection temperature under load being not less than 50°C according to JIS K 7191, and the flame retardant rating being V-2 and above according to UL94 vertical firing test.